CAMPAIGN AGAINST THE HOOK-WORN TO BEGIN NEXT TUESDAY MORNING

Representatives of the State Board of Health to be in Laurens County for Six Weeks Conducting It. Dispensaries to be Established Over the County.

DISPENSARIES

Every Tuesday, Dr. Bryson's office, Gray Court.

Every Wednesday, Mayor's office,

Every Thursday, Magistrate's of fice, Cross Hill. Every Friday, Dr. Donnan's of-

fice, Boyds Mill.

Every Saturday, Court House,

As announced in The Advertiser last week, representatives of the state board of health are to conduct a hookworm campaign in this county for six weeks beginning next Tuesday. Dispensaries are to be provided at six dixerent places in the county, (See box above) where patients are to be examined and treated. These examinations are to be given free of charge and every person in the county is ntitled to the treatment.

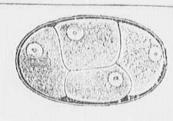
A member of the state board of health has written the following description and method of treatment of the disease

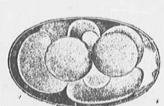
What it is and how caused.

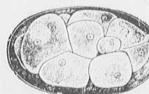
This disease is caused by a small worm which lives in the small intestine or bowel.

(The worm when full grown is about a half inch in length, and as big around as a pin.) It is of a dirty, white color.) Cut No. 2 shows the worm greatly magnified; as it appears under the microscope.

These worms lay eggs. These eggs are too small to be seen by the naked eye. Under the microscope they look like this (see cut 1). Each female worm may lay over a thousand eggs in a day. They do not hatch in the bowels. These eggs pass out with the bowel movement and get on the ground. Here, in a week or two, one worm hatches out of each egg. In hot weather the worm may hatch out in one day. These young hookworms are called embryos. These little worms live in the dirt and grow for





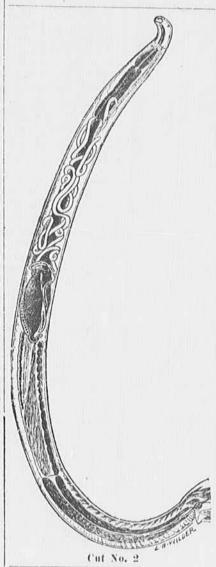


Cut No. 1

two or three days, then they shed their skin and grow for a few days more. They get ready to cast their skin again and in this stage they are called encysted embryos. Under the microscope they appear to be in a capsule. They are too small to be seen by the naked eye. In places where no privies are used or where no buckets are used, to catch the excreta or bowel movements, the ground is alive with these little worms They cannot be seen but they are there nevertheless. They can be felt. Let any barefooted person walk on soil which is polluted; that is, contains body discharges, and in a few minutes there is a stinging sensation on the feet. Later this gets worse and in a few hours time the skin between the toes and on top of the foot is red and swollen. The itching is intense and the desire to scratch is irresistible. In other words, the little worms have burrowed through the skin and caused what we call ground itch, toe itch, or dew poison. Ground itch occurs more often in rainy weather or after heavy dews. This is because the rain washes the excreta and the young worms a considerable distance from 'he privy or other place where the

privies are used.

Let us return to the little hookworms too small to be seen by the eye which had burrowed through the skin and caused ground itch. They get into the blood stream and pass to the lungs, from the lungs they crawl up the small air tubes until they reach the wind pipe. Wa know that the upper opening of the wind pipe (larynx) is close to the gullet (esophagus). It is easy to see then how these little worms can be coughed up from the wind pipe and swallowed. They pass through the



stomach to the first portion of the small bowel. Sometimes they are found in all parts of the bowel. takes the worms two months or more to travel from the skin to the bowel. They cause no disease while taking the journey. As soon as they reach the bowel, they attach themselves by means of two pairs of lips to the lining of the bowel or mucous membrane and soon become full grown-that is, about a half inch long. Each worm has a small tooth, which is hollow like the needle of a hypodermic syringe The worm takes holds of the bowel



body waste is deposited. If these lining and this tooth pierces the discharges do not get on the ground, bowel lining. This little worm not there will be no ground itch and no only damages the bowel lining, but hookworm disease. For this reason we it also sucks blood and injects a poisnever have hookworm disease in cit- on (toxine) into the circulation. When vere that we can make a diagnosis by four or five doses. Improvement usles where sewer systems are used, or it has exhausted the blood supply glancing at the patient, or it may be ually takes place as soon as the treat-



and takes hold in another place.

and hatch out on the soll.

time we have ground itch a little col- a heavy feeling as though he were

Is the Disease Common?

Dubini, an Italian physician was the first to discover the hookworm in man. This was n 1854. In the mines in certain parts of Germany the disease played such bavoc among the miners that no man with hookworm disease was allowed to work until the disease had been cured

In America, the first hookworm was discovered by Dr. Stiles, of the United States Marine Hospital Service This was in 1902. When Dr. Stiles made the announcement that many of the people throughout the South living in the small towns and in the country districts were suffering with hookworm disease, the papers treated the matter as a joke and even the physicians doubted that the disease was common. Now anyone who doubts that hookworm disease is the most serious problem confronting the people of the South, either has not investigated the matter, or is not open to conviction.

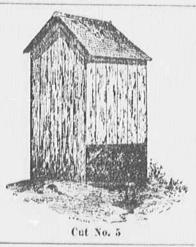
Where the Disease is found in the United States.

The disease is found in all of the southern states. It is not found in the northern part of the United States because of the cold climate. As a rule, the disease is more common on Sandy soil. In our State the heaviest infection is in the lower counties, and it grows lighter as we go toward the north western part of the state.

As yet, we have not been able to estimate the number of cases of hookworm disease in the state but we do know that the disease is much more common than people think. Last summer over eleven thousand men, wo men and children were treated in our state in three months.

The Age Limit.

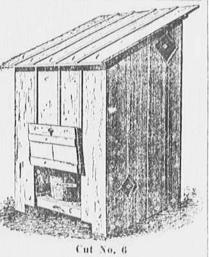
There is no age limit. The disease is commoner between the ages of five



will be noticed that babies in the countained have hookworm disease try are usually healthy. When they become large enough to run about and The disease can be easily cured ex-

other disturbances. How the Disease Affects a Person.

healthy in every way. In these cases Although these worms are very we must use the microscope to make a Think of the many persons in our small, there are hundreds, sometimes diagnosis. A small portion of the state who are now leading a life of thousands of them in the bowel at a bowel movement is placed under the misery on account of this disease! time, and this causes the patient to microscope. If the person has hook- (See Cut 4), Sometimes, the disease become very weak from the constant, worm disease the eggs of the worm kills; more often it weakens the sys less of blood and from the impaired can be seen. The eggs of the round, icm so that the person dies of typhoid the tape worm, and other intestinal fever, pneumenia or some other dis-These worms, shortly after reach- parasites can also be found. In a se- case, ing the bawel begin laying eggs (see vere case of bookworm disease the and could carn wages and pay taxes cut 1) just as their parents did. These child is usually small for his age. The think how much the revenue of your eggs do not hatch inside the body, but face is often wrickled, and appears too county and of the state at large would are expelled with the bowel movement old for the body. There is a troubled be increased! These people are now privy tent 5) you should make it sanor drawn expression about the mouth, consumers. Let us cure them so that itary The worm will live in the lowel for The skin is usually yellow. It may they may become producers. We need putting flaps on the reaf and on the eight or ten years unless the patient have a deathly pallor or a waxy look, is treated. Every worm in the bowel The patient complains of "shortness has gone through the skin. Every of breath", of pain in the stomach, or ony of hookworms has started for the carrying a weight in the stomach. He bowel. Boys and girls all over the suffers from indigestion and "heart state and often men and women also, burn" headache is common. The apgo barefooted several menths in the petite is variable; at times the patient year and are seldom without ground eats a great deal and again cares for nothing. Often times he will have a faney for clay, sand, chalk, soot and



saw dust. We used to think that dirt eating caused hookworm disease. We dren, and we should spend much more, haven't it, no harm is done. Rememhad the cart before the horse. The but many of these children cannot ber that it is no disgrace to have

be shot for doing so.

worm disease is usually dry and About 75 per cent of them had carious furnished free of charge by State harsh. The hair of the head is dry teeth. We are trying to force these Board of Health, Columbia, S. C. and that on other parts of the body very scant. The patient may be very loated or dropsical

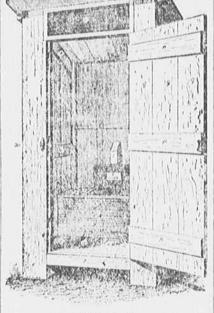
When patients have lost flesh and become very weak they often imagine that they have consumption. If they become bloated they believe themselves victims of "kidney trouble". It is a common thing for hookworm patients to suffer for years with what they call "consumption", "kidney trouble", "heart disease", dropsy" 'Dyspepsia', or "malaria", These imaginary troubles vanish like magic when the patient has been treated for a few weeks, and will not return if the conditions surrounding the home are as they should be. The symptoms outlined above are those found in severe cases of the disease. (See Cut In a mild case of the disease the child may be full grown for his age. and his color may be good. The only evidence of disease is indigestion or an occasional headache. It is in these cases that we must use a microscope to make a diagnosis. Some persons imagine that hookworm disease is and twenty-five but it occurs in very found only among the poorer people. young children and in very old per- This is not true. The disease recogsons. As soon as children get old nizes no social barriers. It is found enough to wear shoes all the year and among rich and poor and high and thus prevent ground itch, they will low. If people go barefooted or wear gradually recover from the disease un- leaky shoes where there are no saniless they are severely infected. It tary closets, they will continue to

Is There a Cure?

catch ground itch, they become pale cept in the extreme cases. There is and "puny" looking. They are pale no danger in taking the medicine to or sallow and have indigestion and expel the worms provided the direc tions of a physician are followed. If the disease is mild, it may be cured The symptoms of the disease vary with two doses of medicine given a greatly. The disease may be so se- ock apart. Severe cases require in country districts where sanitary from one little spot, it turns loose so mind that the person appears ment is completed and sometimes be-

is cured so quickly. In children, the improvement is extremely rapid. In from a sallow, weak individual, to a older persons the changes are not so marked. If a grown person has die before they are grown? had the disease since childhood, and is severely infected, he can be greatly improved but the ear marks of the disease are always there.

In one of our coast counties, a boy seventeen years of age, was so severely infected that he was unable to walk over a half mile without resting. A week after treatment he walked four He is now enjoying good bealth. Often I have seen young men so ill with the disease that they could exertion than chewing tobacco or fishing. A few doses of medicine would enable these men to follow ; plow all day or to do other hard work



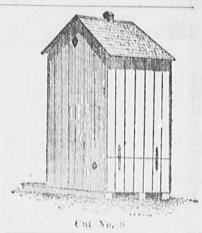
for every man, woman and child to do. Laurens county. This excitaination will We are spending thousands of dollars each year to educate our chil-idiscase, it is easy disease causes the craying for these learn. This is not laziness; it is be-hookworms. It is a disgrace to keep things and the patient is unable to cause they are sick with hookworm them. resist. Cure the disease and the pa- disease or something else. It is time ease? tient has no desire for these things. | for us to stop the economic leak, It | Laurens county has appropriated Recently a physician engaged in the has been going on too long. Of the money to furnish medicine for treathookworm work was told by a well ed- 10,000 school children examined in ing the disease. The State Board of ucated and highly cultured lady who this state last year in rural schools. Health will send a representative to had hookworm disease, that when the less than 20 per cent were absolutely the county. Fe will make microscopic eraving to eat sand came on, she would healthy. Many had hookworm disease, examinations and administer treattry to get it if she knew that she would throat disease, eye disease and other ment to anyone applying. Why not diseases of a more or less serious na- fine out new, if you have the disease. The skin of the person with hook- ture requiring medical attention. Pamphlets on hookworm disease are

fore. There is no other disease which children to learn when they are unable to do proper work because of their physical condition. In hooka few weeks the child is transformed worm disease the child is usually dull and advances slowly in school. Is it rosy cheeked child full of energy. In chesper to have these children cured or let them go untreated and perhaps

Hookworm disease is not a new disease. It has been in this country for several generations but has only recently been recognized.

How We Can Get Rid of the Disease. First. Every person with the disease should be treated.

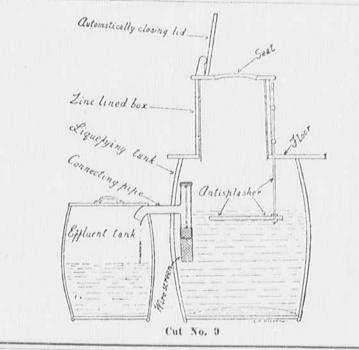
Second. There should be no soil



and use the barrels shown in cut ! The entire cost of material including which can be used. Write to The State Board of Health for Information.

If a sanitary privy costs \$100.00 i would be cheap. It will prevent not only hookworm disease but it will lesen the number of cases of typhoid fever, and diarrhea or "summer complaint". What do these diseases cost you every year? A sanitary privy is cheaper than a coffin. If you have hookworm disease you should be treated. If your neighbor has at see that he is treated. You are your brothers keeper. Every person who has hockworm disease is a danger to others every time he pollutes the soil.

If you are pale and "puny" you may have hookworm. If you don't know what alls you it may be hookworms. If you wish to know, write to the State Board of Health, Columbia, S. C.



\$100 Per Plate

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Piles! Piles!

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